

# Frontiers in Science

A public lecture series sponsored by the  
Fellows of Los Alamos National Laboratory

**Roger Wiens**

Leader of the ChemCam Laser Instrument  
Los Alamos National Laboratory



Photo by L. Bucklin

## EXPLORING MARS WITH CURIOSITY AND ITS LASER

On August 6, 2012, the one-ton Curiosity rover was lowered to the Martian soil by a “sky crane,” settling on its own six wheels. Curiosity sports 10 instruments, an arm that weighs as much as a whole previous generation Mars rover, and a laser that vaporizes bits of rock up to 25 feet away to determine their compositions. The setting for its travels is 90 mile-wide Gale crater and the ultimate destination is a 3-mile high mountain of Martian sedimentary layers. This talk will describe the rover, its journey to Mars, and Curiosity’s new discoveries.

**Tuesday, May 7 at 7 p.m.**

Duane W. Smith Auditorium  
Los Alamos High School, Los Alamos

**Thursday, May 16 at 7 p.m.**

Taos Convention Center  
120 Civic Plaza Drive, Taos

**Thursday, May 9 at 7 p.m.**

New Mexico Museum of Natural History and Science  
1801 Mountain Road NW, Albuquerque

**Tuesday, May 14 at 7 p.m.**

James A. Little Theater  
New Mexico School for the Deaf  
1060 Cerrillos Road, Santa Fe

**Admission is Free  
– Bring a Friend –**

...and your copy of Roger’s book *Red Rover:  
Inside the Story of Robotic Space Exploration, from Genesis  
to the Mars Rover Curiosity* for him to autograph after  
the talk. All royalties are donated to Habitat for Humanity.



For more information, call (505) 665-9196 or  
(505) 667-7000 or go to <http://frontiers.lanl.gov>